



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Yale Ogron Manufacturing Co., Inc.
671 West 18 Street
Hialeah, FL 33010

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

Exterior Glazed Aluminum Fixed Window - Non-Impact & Large Missile Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0102.05
EXPIRES: 12/13/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/13/2001

Yale Ogron Mfg. Co.

ACCEPTANCE No.: 01-0102.05

APPROVED : DEC 13 2001

EXPIRES : DEC 13 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum fixed window system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Exterior Glazed Aluminum Fixed Window - Non-Impact & Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. **W00-53**, Sheets 1 through 6 of 6, titled "Exterior Glazed Alum Fixed Window", prepared by Al Farooq Corporation, dated 12/12/00 and revised on 10/2/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

4. INSTALLATION

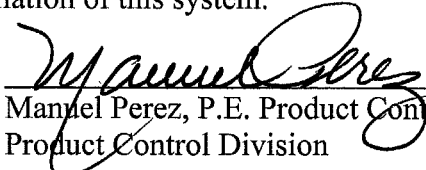
- 4.1 The aluminum fixed window system and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

- 5.1 Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance.
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Yale Ogron Mfg. Co.

ACCEPTANCE No.: 01-0102.05

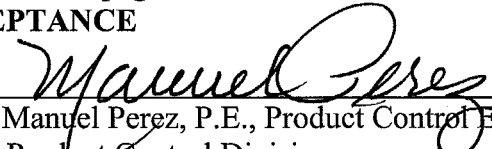
APPROVED : DEC 13 2001

EXPIRES : DEC 13 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Yale Ogron Mfg. Co.

ACCEPTANCE No.: 01-0102.05

APPROVED : DEC 13 2001

EXPIRES : DEC 13 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

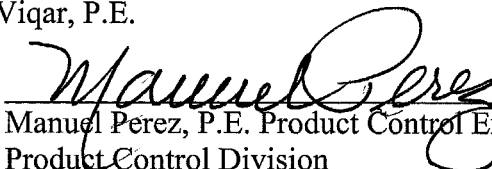
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **WOO-53**, Sheets 1 through 6 of 6, titled "Exterior Glazed Alum Fixed Window", prepared by Al Farooq Corporation, dated 12/12/00 and revised on 10/2/01, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS

1. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed arch window (3/16" temp), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-1174A**, dated 10/19/00, signed and sealed by Arshad Viqar, P.E.
2. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (3/16" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-1174B**, dated 10/19/00, signed and sealed by Arshad Viqar, P.E.
3. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (3/16" temp), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-001174C**, dated 10/19/00, signed and sealed by Arshad Viqar, P.E.
4. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (3/16" temp), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-001174D**, dated 10/19/00, signed and sealed by Arshad Viqar, P.E.
5. Test report on : 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of an aluminum rectangular window (1am 3/16" HS), window, prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-907A**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

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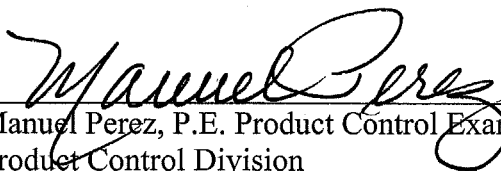
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

6. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-1162**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.
7. Test report on : 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of an aluminum fixed rectangular window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-907B**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.
8. Test report on : 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of an aluminum fixed arch window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-916**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.
9. Test report on : 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-1163**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.
10. Test report on : 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of an aluminum fixed arch window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-917**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.
11. Test report on : 1) Uniform Static Air Pressure Test, Loading per PA 202-94
along with installation diagram of an aluminum fixed rectangular window (1/8" ann), prepared by Hurricane Engineering & Testing Inc., Report No. **HETI-00-915**, dated 12/6/00, signed and sealed by Arshad Viqar, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation, dated 12/11/00 and revised on 10/2/01, signed and sealed by Dr. Humayoun Farooq, P.E.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Yale Ogron Mfg. Co.

ACCEPTANCE No.: 01-0102.05

APPROVED : DEC 13 2001

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(For File ONLY. Not part of NOA.)

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety Plus," dated 9/21/00, expiring on 9/9/03.
2. Notice of Acceptance No. **98-0728.05** issued to Solutia Inc. for "Saflex IIIIG PVB Polyvinyl butryal interlayer," dated 8/27/98, expiring on 5/21/01.

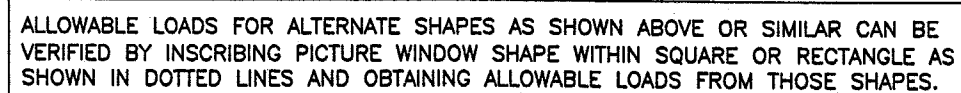
E. STATEMENTS

1. Letter by Al-Farooq Corporation, stating that the submitted drawings comply with the applicable sections of the South Florida Building Code, dated 2/6/01, signed and sealed by Dr. Humayoun Farooq, P.E..
2. Letter by Al-Farooq Corporation, stating that they have no financial interest with the laboratory that performed the tests or the engineer who witnessed the tests, dated 2/6/01, signed and sealed by Dr. Humayoun Farooq, P.E..
3. Letter by Yale Ogron Mfg. Co, stating that they have no financial interest with the laboratory that performed the tests or the engineer who witnessed the tests, dated 2/5/01, signed and sealed by Sonia A. Chance, P.E.


Manuel Perez, P.E. Product Control Examiner
Product Control Division



GLAZED WITH 5/16", 7/16" OR 1/2" LAMINATED GLASS
SHUTTERS NOT REQUIRED
SEE SHEETS 2, 5 AND 6.



1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

OCT 2 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DEC 13 2001
BY Mannel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-05

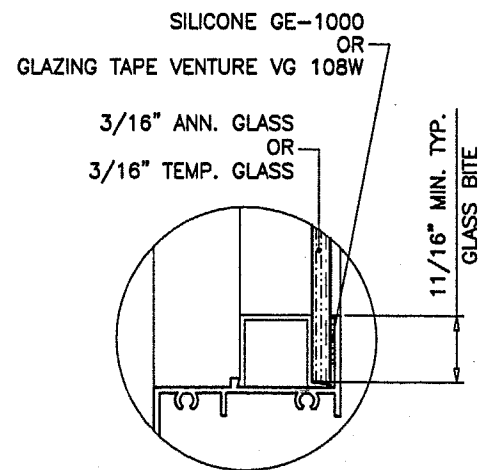
<p>EXTERIOR GLAZED ALUM FIXED WINDOW</p> <p>YALE OGRON MFG. CO. INC. 671 WEST 18TH ST. HIALEAH, FL 33010-2480 TEL. (305) 887-2646 FAX (305) 883-1309</p>	<p>AL-FAROOQ CORPORATION ENGINEERS, PLANNERS & PRODUCT DESIGN 1235 SW 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978</p>	<p>afc</p>	<p>COMP-ANL\W00-53Y0</p>
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revisions:		no	date	by	description
	A	10.02.01			CHARTS REV. PER ASTM E-1300

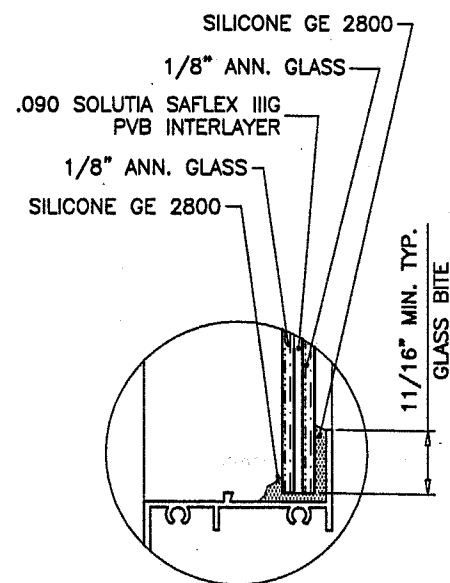
date: 12-12-00
scale: $1/2'' = 1'$
dr. by: HAMID
chk. by:

drawing no.
W00-53

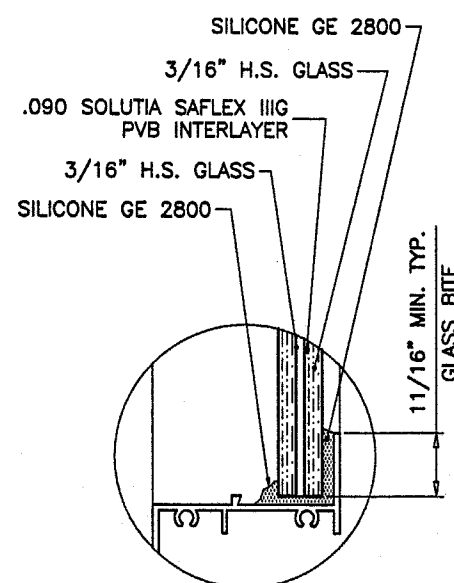
sheet 1 of 6



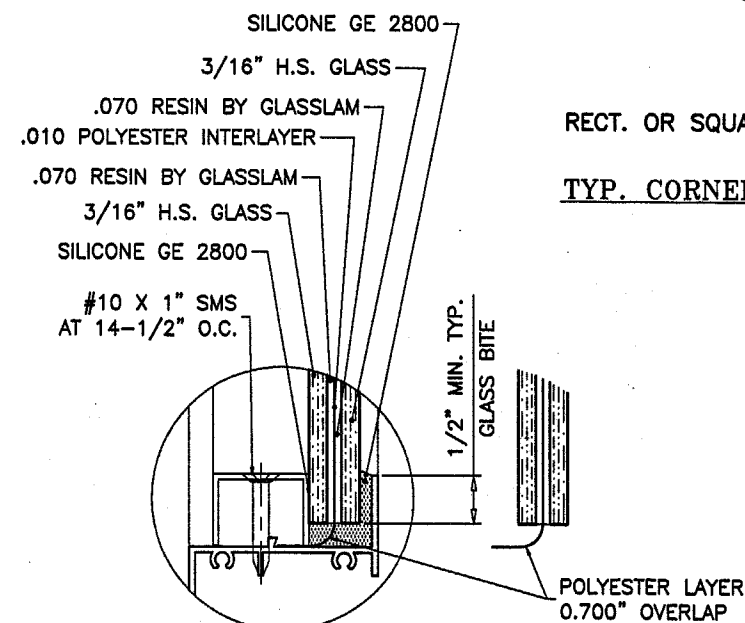
3/16" ANN. OR 3/16" TEMP.
NON IMPACT RESISTANT GLASS
MIAMI DADE COUNTY APPR'D SHUTTERS REQ'D.
FOR ALL INSTALLATIONS



5/16" OVERALL LAMINATED
IMPACT RESISTANT GLASS
SHUTTERS NOT REQ'D.

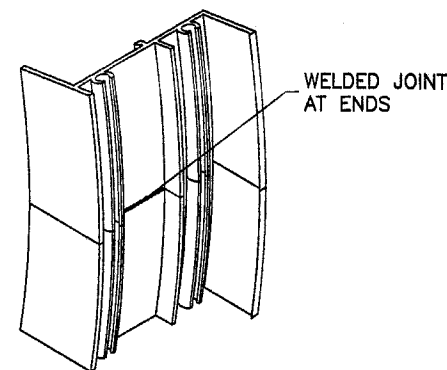


7/16" OVERALL LAMINATED
IMPACT RESISTANT GLASS
SHUTTERS NOT REQ'D.

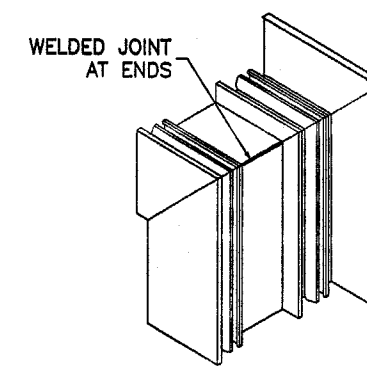


1/2" OVERALL LAMINATED
IMPACT RESISTANT GLASS
SHUTTERS NOT REQ'D.

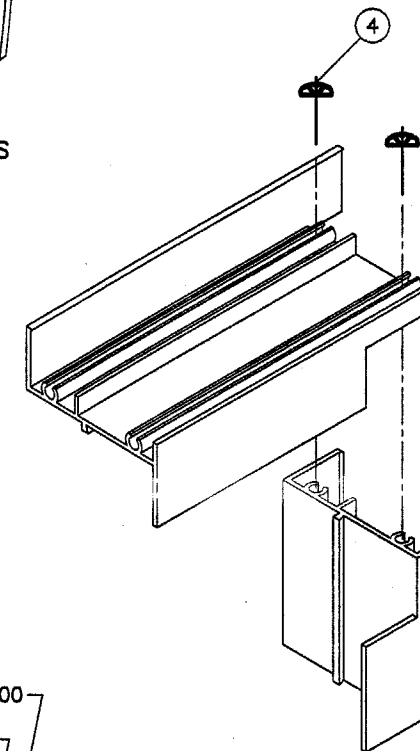
GLAZING OPTIONS



CIRCULAR WINDOWS



OPTIONAL CORNER



RECT. OR SQUARE WINDOWS
TYP. CORNER DETAILS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

OCT 2 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DEC 13 2001
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-05

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W00-53YO

EXTERIOR GLAZED ALUM FIXED WINDOW
YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL. 33010-2480
TEL. (305) 887-2646 FAX (305) 883-1309

revisions:	no	date	by	description
	A	10.02.01		REVISED

date: 12-12-00	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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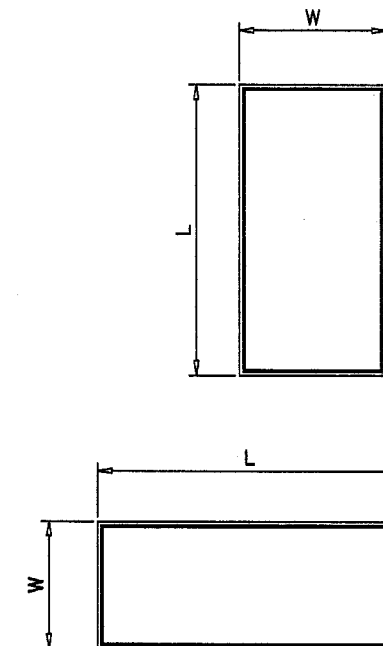
drawing no.
W00-53
sheet 2 of 6

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		3/16" ANNEALED GLASS				3/16" TEMPERED GLASS			
		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18"	24"	80.0	82.2	80.0	82.2	80.0	186.7	80.0	186.7
24"		61.7	61.7	61.7	61.7	80.0	140.0	80.0	140.0
30"		61.7	61.7	61.7	61.7	80.0	140.0	80.0	140.0
36"		61.7	61.7	61.7	61.7	80.0	120.0	80.0	140.0
42"		61.7	61.7	61.7	61.7	80.0	120.0	80.0	140.0
48"		61.7	61.7	61.7	61.7	80.0	120.0	80.0	140.0
54"		59.5	59.5	59.5	59.5	80.0	120.0	80.0	135.0
60"		57.8	57.8	57.8	57.8	80.0	120.0	80.0	131.3
66"	36"	56.5	56.5	56.5	56.5	80.0	120.0	80.0	128.3
72"		54.4	54.4	54.4	54.4	80.0	120.0	80.0	126.0
18"		80.0	82.2	80.0	82.2	80.0	160.0	80.0	186.7
24"		61.7	61.7	61.7	61.7	80.0	120.0	80.0	140.0
30"		49.3	49.3	49.3	49.3	80.0	96.0	80.0	112.0
36"		41.1	41.1	41.1	41.1	80.0	80.0	80.0	93.3
42"		41.1	41.1	41.1	41.1	80.0	80.0	80.0	93.3
48"		41.1	41.1	41.1	41.1	80.0	80.0	80.0	93.3
54"	48"	41.1	41.1	41.1	41.1	80.0	80.0	80.0	93.3
60"		39.9	39.9	39.9	39.9	80.0	80.0	80.0	93.3
66"		35.9	35.9	35.9	35.9	80.0	80.0	80.0	93.3
72"		30.5	30.5	30.5	30.5	80.0	80.0	80.0	93.3
18"		75.9	75.9	75.9	75.9	80.0	160.0	80.0	172.3
24"		61.7	61.7	61.7	61.7	80.0	120.0	80.0	140.0
30"		49.3	49.3	49.3	49.3	80.0	96.0	80.0	112.0
36"		41.1	41.1	41.1	41.1	80.0	80.0	80.0	93.3
42"	60"	35.2	35.2	35.2	35.2	80.0	68.6	80.0	80.0
48"		30.8	30.8	30.8	30.8	70.0	60.0	70.0	70.0
54"		30.8	30.8	30.8	30.8	70.0	60.0	70.0	70.0
60"		-	-	-	-	70.0	60.0	70.0	70.0
66"		-	-	-	-	70.0	60.0	70.0	70.0
72"		-	-	-	-	70.0	60.0	70.0	70.0
18"		72.5	72.5	72.5	72.5	80.0	160.0	80.0	164.7
24"		57.8	57.8	57.8	57.8	80.0	120.0	80.0	131.3
30"	72"	43.5	43.5	43.5	43.5	80.0	96.0	80.0	112.0
36"		39.9	39.9	39.9	39.9	80.0	80.0	80.0	93.3
42"		35.2	35.2	35.2	35.2	80.0	68.6	80.0	80.0
48"		-	-	-	-	70.0	60.0	70.0	70.0
54"		-	-	-	-	62.2	53.3	62.2	62.2
60"		-	-	-	-	56.0	48.0	56.0	56.0
66"		-	-	-	-	56.0	48.0	56.0	56.0
72"		-	-	-	-	56.0	48.0	56.0	56.0
18"	84"	70.5	70.5	70.5	70.5	80.0	160.0	80.0	160.0
24"		54.4	54.4	54.4	54.4	80.0	120.0	80.0	126.0
30"		37.6	37.6	37.6	37.6	80.0	96.0	80.0	106.1
36"		30.5	30.5	30.5	30.5	80.0	80.0	80.0	93.3
42"		-	-	-	-	80.0	68.6	80.0	80.0
48"		-	-	-	-	70.0	60.0	70.0	70.0
54"		-	-	-	-	62.2	53.3	62.2	62.2
60"		-	-	-	-	56.0	48.0	56.0	56.0
18"	96"	69.1	69.1	69.1	69.1	80.0	156.8	80.0	156.8
24"		51.2	51.2	51.2	51.2	80.0	120.0	80.0	122.5
30"		33.1	33.1	33.1	33.1	80.0	96.0	80.0	102.3
36"		-	-	-	-	80.0	80.0	80.0	89.1
42"		-	-	-	-	80.0	68.6	80.0	80.0
48"		-	-	-	-	70.0	60.0	70.0	70.0
54"		-	-	-	-	62.2	53.3	62.2	62.2

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		3/16" ANNEALED GLASS				3/16" TEMPERED GLASS			
		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18"	96"	59.5	59.5	59.5	59.5	80.0	154.5	80.0	154.5
24"		48.5	48.5	48.5	48.5	80.0	120.0	80.0	120.0
30"		-	-	-	-	80.0	96.0	80.0	99.6
36"		-	-	-	-	80.0	80.0	80.0	86.2
42"		-	-	-	-	76.8	68.6	76.8	76.8
48"		-	-	-	-	70.0	60.0	70.0	70.0
18"	108"	45.7	45.7	45.7	45.7	80.0	152.7	80.0	152.7
24"		45.7	45.7	45.7	45.7	80.0	118.1	80.0	118.1
30"		-	-	-	-	80.0	96.0	80.0	97.5
36"		-	-	-	-	80.0	80.0	80.0	84.0
42"		-	-	-	-	70.4	68.6	70.4	70.4
18"	114"	40.3	40.3	40.3	40.3	80.0	152.0	80.0	152.0
24"		40.3	40.3	40.3	40.3	80.0	117.4	80.0	117.4
30"		-	-	-	-	80.0	96.0	80.0	96.7
36"		-	-	-	-	80.0	80.0	80.0	80.4
18"	120"	35.8	35.8	35.8	35.8	80.0	143.2	80.0	143.2
24"		-	-	-	-	80.0	116.7	80.0	116.7
30"		-	-	-	-	80.0	96.0	80.0	96.0
36"		-	-	-	-	79.6	79.6	79.6	79.6
18"	132"	28.6	28.6	28.6	28.6	80.0	114.4	80.0	114.4
24"		-	-	-	-	80.0	114.4	80.0	114.4
30"		-	-	-	-	80.0	94.8	80.0	94.8
18"	144"	23.2	23.2	23.2	23.2	80.0	92.8	80.0	92.8
24"		-	-	-	-	80.0	92.8	80.0	92.8
30"		-	-	-	-	80.0	92.8	80.0	92.8
19-1/8"	26"	77.4	77.4	77.4	77.4	80.0	175.7	80.0	175.7
26-1/2"		56.9	56.9	56.9	56.9	80.0	129.2	80.0	129.2
37"		56.9	56.9	56.9	56.9	80.0	110.8	80.0	129.2
53-1/8"		56.5	56.5	56.5	56.5	80.0	110.8	80.0	128.3
19-1/8"	38-3/8"	77.3	77.3	77.3	77.3	80.0	150.6	80.0	175.5
26-1/2"		55.8	55.8	55.8	55.8	80.0	108.7	80.0	126.8
37"		40.0	40.0	40.0	40.0	80.0	77.8	80.0	90.8
53-1/8"		38.6	38.6	38.6	38.6	80.0	75.0	80.0	87.6
19-1/8"	50-5/8"	71.6	71.6	71.6	71.6	80.0	150.6	80.0	162.4
26-1/2"		55.8	55.8	55.8	55.8	80.0	108.7	80.0	126.8
37"		40.0	40.0	40.0	40.0	80.0	77.8	80.0	90.8
53-1/8"		29.2	29.2	29.2	29.2	66.4	56.9	66.4	66.4
19-1/8"	57"	69.7	69.7	69.7	69.7	80.0	150.6	80.0	158.3
26-1/2"		53.2	53.2	53.2	53.2	80.0	108.7	80.0	123.9
37"		40.0	40.0	40.0	40.0	80.0	77.8	80.0	90.8
53-1/8"		-	-	-	-	63.2	54.2	63.2	63.2
19-1/8"	63"	68.4	68.4	68.4	68.4	80.0	150.6	80.0	155.3
26-1/2"		48.4	48.4	48.4	48.4	80.0	108.7	80.0	120.4
37"		37.2	37.2	37.2	37.2	80.0	77.8	80.0	90.8
53-1/8"		-	-	-	-	63.2	54.2	63.2	63.2
19-1/8"	74-1/4"	66.6	66.6	66.6	66.6	80.0	150.6	80.0	151.2
26-1/2"		44.8	44.8	44.8	44.8	80.0	108.7	80.0	115.8
37"		-	-	-	-	80.0	77.8	80.0	90.7
53-1/8"		-	-	-	-	63.2	54.2	63.2	63.2

NON IMPACT RESISTANT WINDOWS
MIAMI DADE COUNTY APPROVED
IMPACT RESISTANT SHUTTERS REQD.

ANCHORS FOR THIS PAGE TO BE
#10 SMS
3/16" TAPCONS OR
3/16" TEKS
SEE SHEET 4 FOR DETAILS



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE
ORIENTED VERTICALLY OR HORIZONTALLY
AS SHOWN ABOVE.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **DEC 13 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0102-05**

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

OCT 2 2001

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W00-53YO

EXTERIOR GLAZED ALUM FIXED WINDOW

YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL 33010-2480
TEL. (305) 887-2646 FAX (305) 883-1309

revisions:

no.	date	description
1	10.02.01	CHARTS REV. PER ASTM E-1300

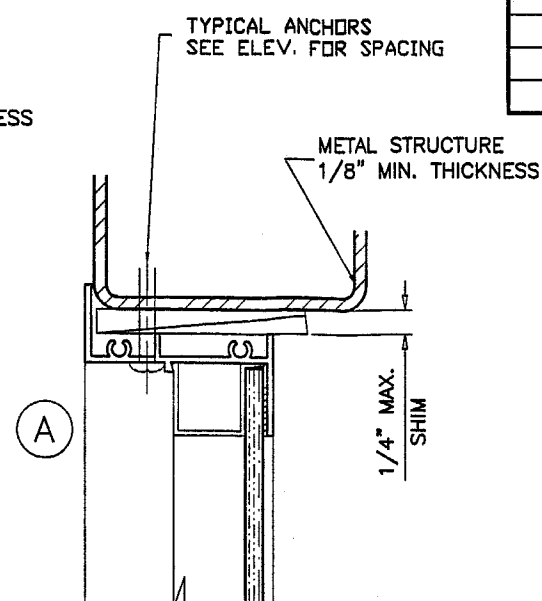
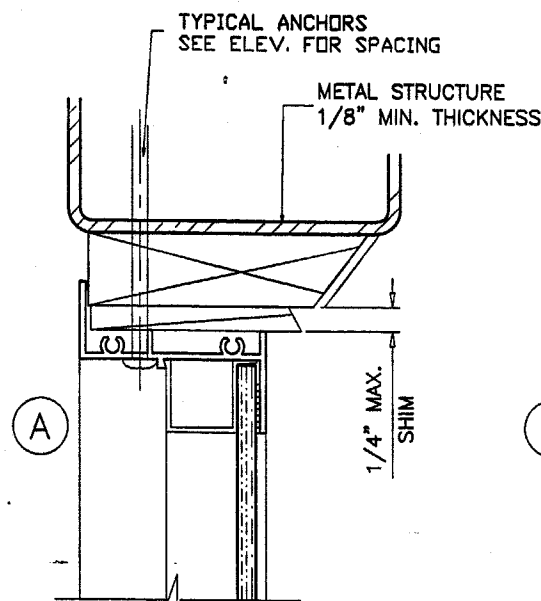
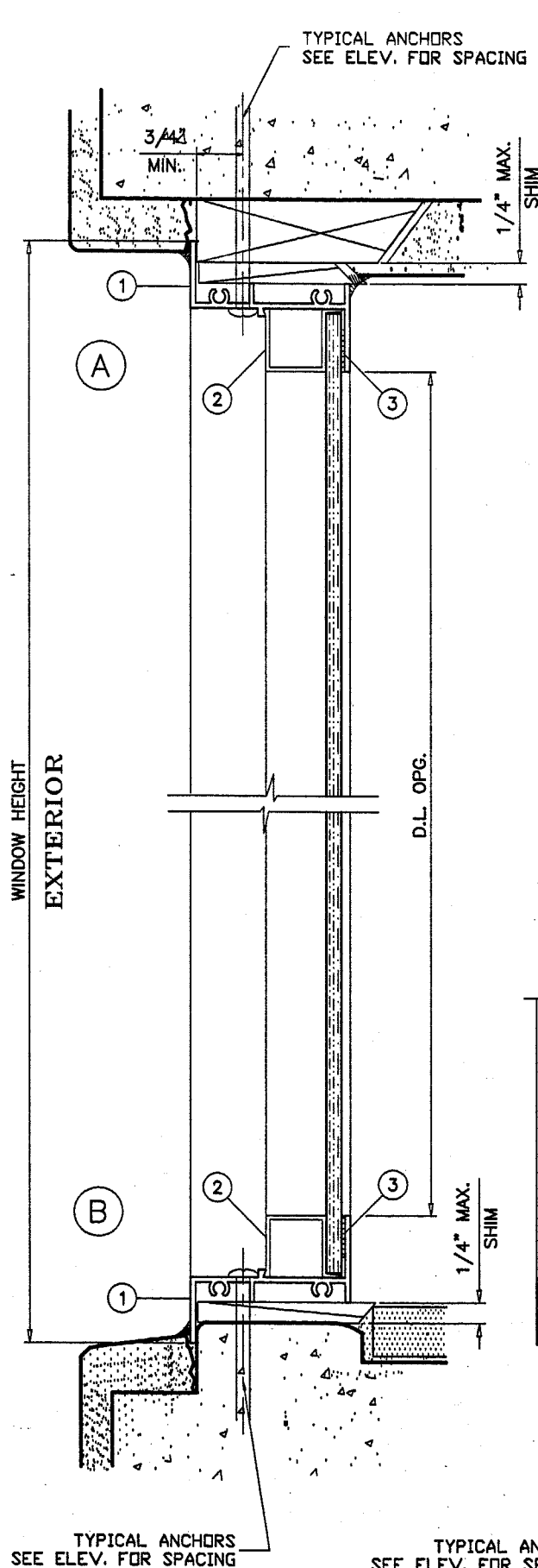
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dr. by: HAMID
chk. by:

drawing no.
W00-53
sheet 3 of 6

WOOD BUCKS NOT BY YALE OGRON, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

NON IMPACT RESISTANT WINDOWS

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	YE-60	4	WINDOW FRAME	ALUMINUM	6063-T5
2	YE-42	4	GLAZING STOP	ALUMINUM	6063-T5
3	GE-1000	AS REQD.	GLAZING COMPOUND	SILICONE	-
3A	VG 108W	AS REQD.	GLAZING TAPE (1/2" X 1/8")	-	VENTURE
4	#8 X 1"	2/ CORNER	FRAME ASSEMBLY SCREWS	-	-



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHORS TYPE 'A' (1/4" MAX. SHIM SPACE)

#10 SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

INTO METAL STRUCTURE (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

ANCHORS TYPE 'B' (1/4" MAX. SHIM SPACE)

3/16" Ø TAPCONS (BY ELCO) OR
EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

3/16" TEKS SCREWS

INTO METAL STRUCTURE (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

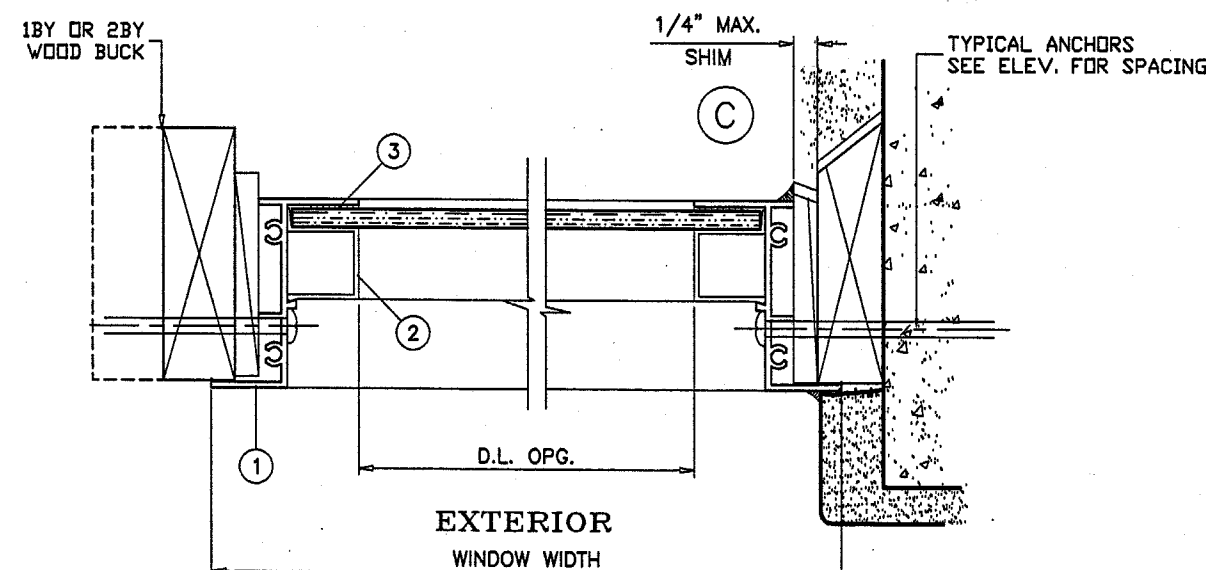
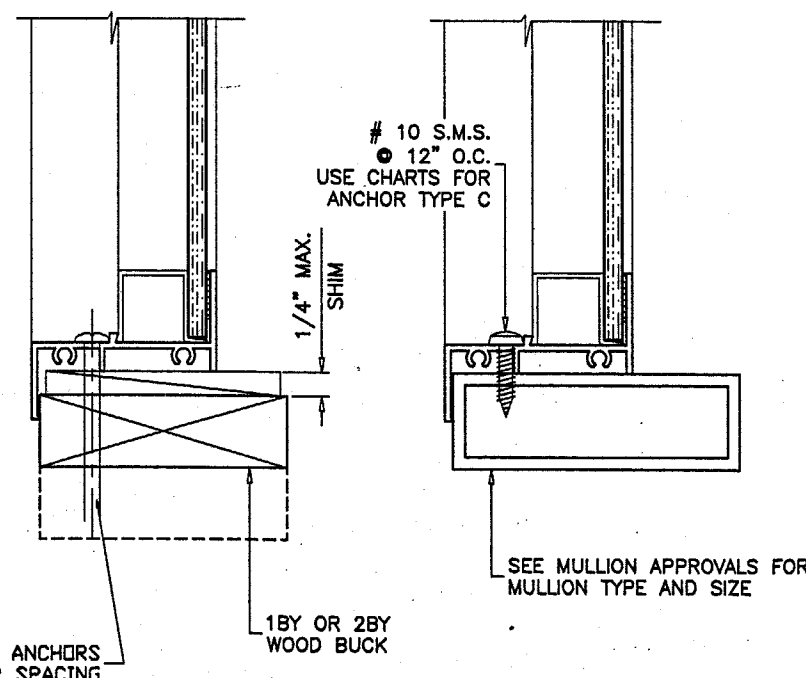
ANCHORS INTO MULLIONS (NO SHIM SPACE)

10 SMS

USE RESULTS OF ANCHORS TYPE 'B'.

SEALANTS:

FRAME CORNERS AND INSTALLATION SCREWS SEALED WITH
GE SILICONE SEALANT.



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

[Signature]

OCT 2 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DEC 13 2001
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-05

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W00-53Y0

EXTERIOR GLAZED ALUM FIXED WINDOW

YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL 33010-2480
TEL (305) 887-2646 FAX (305) 883-1309

revisions:	no	date	by	description

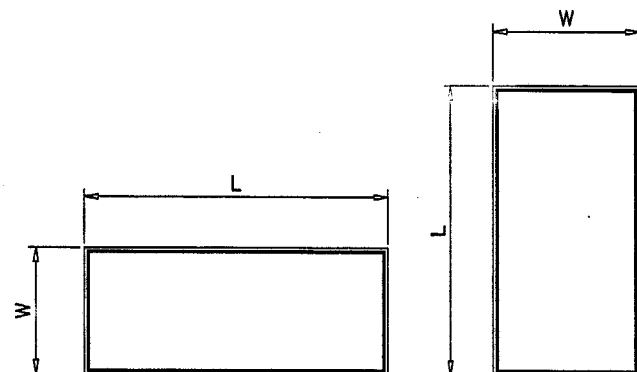
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dr. by: HAMID
chk. by:

drawing no.
W00-53
sheet 4 of 6

IMPACT RESISTANT WINDOWS (SHUTTERS NOT REQUIRED)							
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF					
		5/16" LAM. ANN. GLASS		7/16" LAM. H.S. GLASS		1/2" LAM. H.S. GLASS	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18"	24"	70.0	70.0	65.0	65.0	73.3	75.0
24"		70.0	70.0	65.0	65.0	73.3	75.0
30"		70.0	70.0	65.0	65.0	73.3	75.0
36"		70.0	70.0	65.0	65.0	73.3	75.0
42"		70.0	70.0	65.0	65.0	73.3	75.0
48"		70.0	70.0	65.0	65.0	73.3	75.0
54"		70.0	70.0	65.0	65.0	73.3	75.0
60"		70.0	70.0	65.0	65.0	73.3	75.0
66"		70.0	70.0	65.0	65.0	73.3	75.0
72"		66.7	66.7	65.0	65.0	73.3	75.0
18"	36"	70.0	70.0	65.0	65.0	73.3	75.0
24"		70.0	70.0	65.0	65.0	73.3	75.0
30"		70.0	70.0	65.0	65.0	73.3	75.0
36"		65.5	65.5	65.0	65.0	73.3	75.0
42"		57.4	57.4	65.0	65.0	73.3	75.0
48"		51.0	51.0	65.0	65.0	73.3	75.0
54"		45.1	45.1	65.0	65.0	73.3	75.0
60"		40.8	40.8	65.0	65.0	73.3	75.0
66"		37.1	37.1	65.0	65.0	73.3	75.0
72"		33.1	33.1	65.0	65.0	73.3	75.0
18"	48"	70.0	70.0	65.0	65.0	73.3	75.0
24"		70.0	70.0	65.0	65.0	73.3	75.0
30"		61.0	61.0	65.0	65.0	73.3	75.0
36"		51.0	51.0	65.0	65.0	73.3	75.0
42"		54.1	54.1	65.0	65.0	73.3	75.0
48"		49.0	49.0	65.0	65.0	73.3	75.0
54"		44.4	44.4	65.0	65.0	73.3	75.0
60"		40.4	40.4	65.0	65.0	73.3	75.0
66"		-	-	65.0	65.0	73.3	75.0
72"		-	-	65.0	65.0	73.3	75.0
18"	60"	70.0	70.0	65.0	65.0	73.3	75.0
24"		70.0	70.0	65.0	65.0	73.3	75.0
30"		49.3	49.3	65.0	65.0	73.3	75.0
36"		40.8	40.8	65.0	65.0	73.3	75.0
42"		44.2	44.2	65.0	65.0	73.3	75.0
48"		40.4	40.4	65.0	65.0	73.3	75.0
54"		-	-	65.0	65.0	67.1	67.1
60"		-	-	60.4	60.4	60.4	60.4
66"		-	-	60.4	60.4	60.4	60.4
72"		-	-	60.4	60.4	60.4	60.4
18"	72"	70.0	70.0	65.0	65.0	73.3	75.0
24"		66.7	66.7	65.0	65.0	73.3	75.0
30"		43.3	43.3	65.0	65.0	73.3	75.0
36"		33.1	33.1	65.0	65.0	73.3	75.0
42"		-	-	65.0	65.0	73.3	75.0
48"		-	-	65.0	65.0	73.3	75.0
54"		-	-	65.0	65.0	67.1	67.1
60"		-	-	60.4	60.4	60.4	60.4
18"	84"	70.0	70.0	65.0	65.0	73.3	75.0
24"		62.4	62.4	65.0	65.0	73.3	75.0
30"		40.3	40.3	65.0	65.0	73.3	75.0
36"		-	-	65.0	65.0	73.3	75.0
42"		-	-	65.0	65.0	73.3	75.0
48"		-	-	65.0	65.0	73.3	75.0
54"		-	-	65.0	65.0	67.1	67.1
60"		-	-	60.4	60.4	60.4	60.4

IMPACT RESISTANT WINDOWS (SHUTTERS NOT REQUIRED)							
WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF					
		5/16" LAM. ANN. GLASS		7/16" LAM. H.S. GLASS		1/2" LAM. H.S. GLASS	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18"	96"	70.0	70.0	65.0	65.0	73.3	75.0
24"		59.0	59.0	65.0	65.0	73.3	75.0
30"		36.1	36.1	65.0	65.0	73.3	75.0
36"		-	-	65.0	65.0	73.3	75.0
42"		-	-	65.0	65.0	73.3	75.0
48"		-	-	65.0	65.0	73.3	75.0
18"	108"	55.3	55.3	65.0	65.0	73.3	75.0
24"		55.3	55.3	65.0	65.0	73.3	75.0
30"		-	-	65.0	65.0	73.3	75.0
36"		-	-	65.0	65.0	73.3	75.0
42"		-	-	65.0	65.0	73.3	75.0
18"	114"	48.6	48.6	65.0	65.0	73.3	75.0
24"		48.6	48.6	65.0	65.0	73.3	75.0
30"		-	-	65.0	65.0	73.3	75.0
36"		-	-	65.0	65.0	73.3	75.0
18"	120"	43.0	43.0	65.0	65.0	73.3	75.0
24"		43.0	43.0	65.0	65.0	73.3	75.0
30"		-	-	65.0	65.0	73.3	75.0
36"		-	-	65.0	65.0	73.3	75.0
18"	132"	34.6	34.6	65.0	65.0	73.3	75.0
24"		-	-	65.0	65.0	73.3	75.0
30"		-	-	65.0	65.0	73.3	75.0
18"	144"	28.6	28.6	65.0	65.0	73.3	75.0
24"		-	-	65.0	65.0	73.3	75.0
30"		-	-	65.0	65.0	73.3	75.0
19-1/8"	26"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		70.0	70.0	65.0	65.0	73.3	75.0
37"		70.0	70.0	65.0	65.0	73.3	75.0
53-1/8"		67.2	67.2	65.0	65.0	73.3	75.0
19-1/8"	38-3/8"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		70.0	70.0	65.0	65.0	73.3	75.0
37"		61.3	61.3	65.0	65.0	73.3	75.0
53-1/8"		53.0	53.0	65.0	65.0	73.3	75.0
19-1/8"	50-5/8"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		68.2	68.2	65.0	65.0	73.3	75.0
37"		47.7	47.7	65.0	65.0	73.3	75.0
53-1/8"		43.5	43.5	65.0	65.0	71.6	71.6
19-1/8"	57"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		61.4	61.4	65.0	65.0	73.3	75.0
37"		41.8	41.8	65.0	65.0	73.3	75.0
53-1/8"		-	-	65.0	65.0	68.2	68.2
19-1/8"	63"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		59.5	59.5	65.0	65.0	73.3	75.0
37"		38.0	38.0	65.0	65.0	73.3	75.0
53-1/8"		-	-	65.0	65.0	68.2	68.2
19-1/8"	74-1/4"	70.0	70.0	65.0	65.0	73.3	75.0
26-1/2"		54.1	54.1	65.0	65.0	73.3	75.0
37"		31.0	31.0	65.0	65.0	73.3	75.0
53-1/8"		-	-	65.0	65.0	68.2	68.2

ANCHORS FOR THIS PAGE TO BE
#14 SMS
1/4" TAPCONS OR
1/4" TEKS
SEE SHEET 6 FOR DETAILS



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **DEC 13 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0102-05**

OCT 2 2001

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W00-53Y0

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TEL. (305) 887-2646 FAX (305) 883-1309

revisions:	no	date	description
	A	10.02.01	CHARTS REV. PER ASTM E-1300

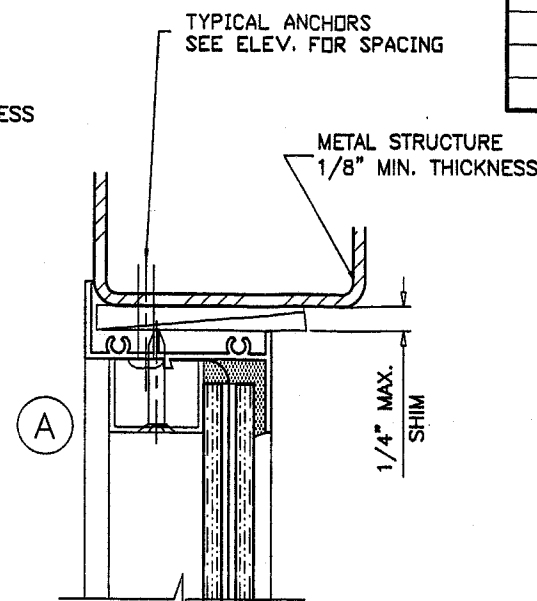
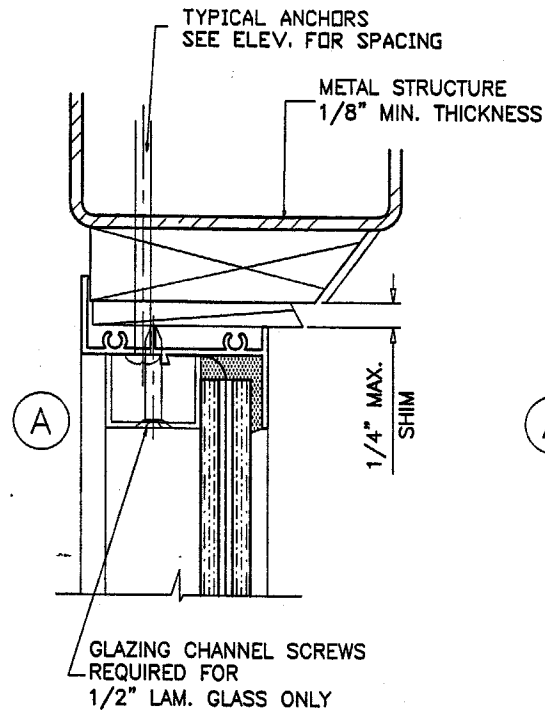
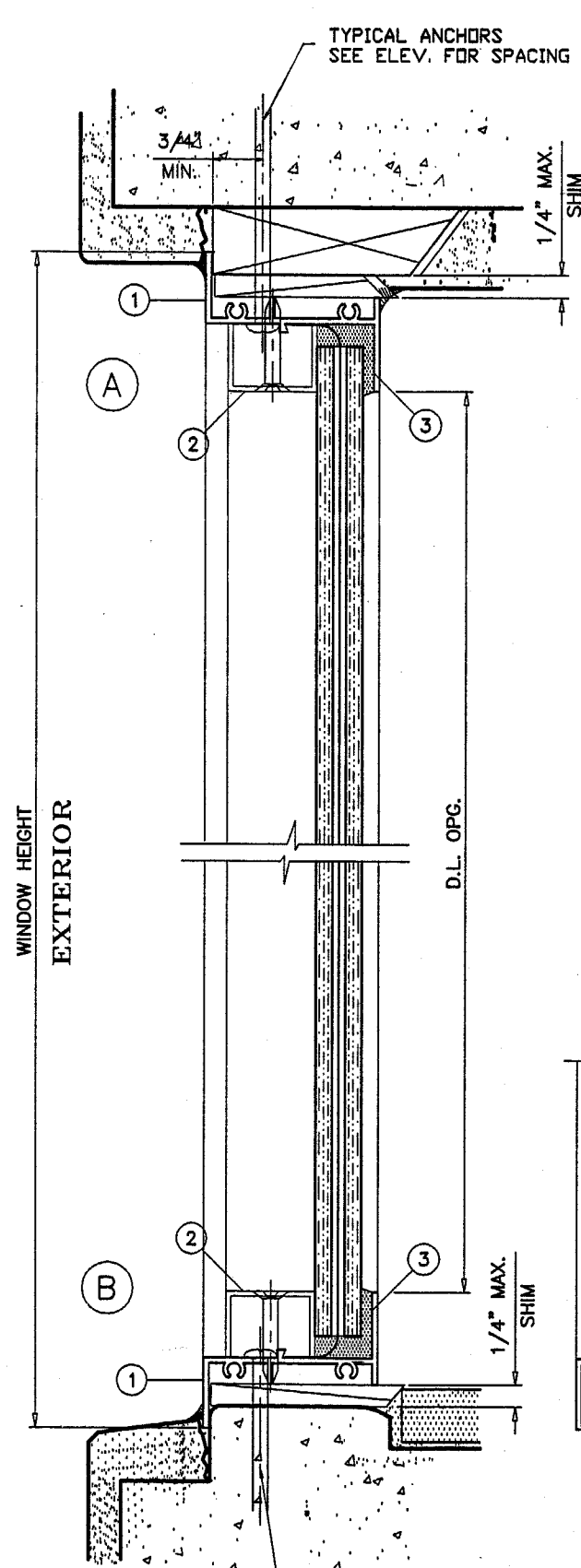
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dr. by: HAMID
chk. by:

drawing no.
W00-53
sheet 5 of 6

WOOD BUCKS NOT BY YALE OGRON, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

IMPACT RESISTANT WINDOWS

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	YE-60	4	WINDOW FRAME	ALUMINUM	6063-T5
2	-	4	GLAZING STOP	ALUMINUM	6063-T5
3	GE-2800	AS REQD.	GLAZING COMPOUND	SILICONE	-
3A	VG 108W	AS REQD.	GLAZING TAPE (1/2" X 1/8")	-	VENTURE
4	#8 X 1"	2/ CORNER	FRAME ASSEMBLY SCREWS	-	-



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" Ø TAPCONS (BY ELCO) OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/4" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

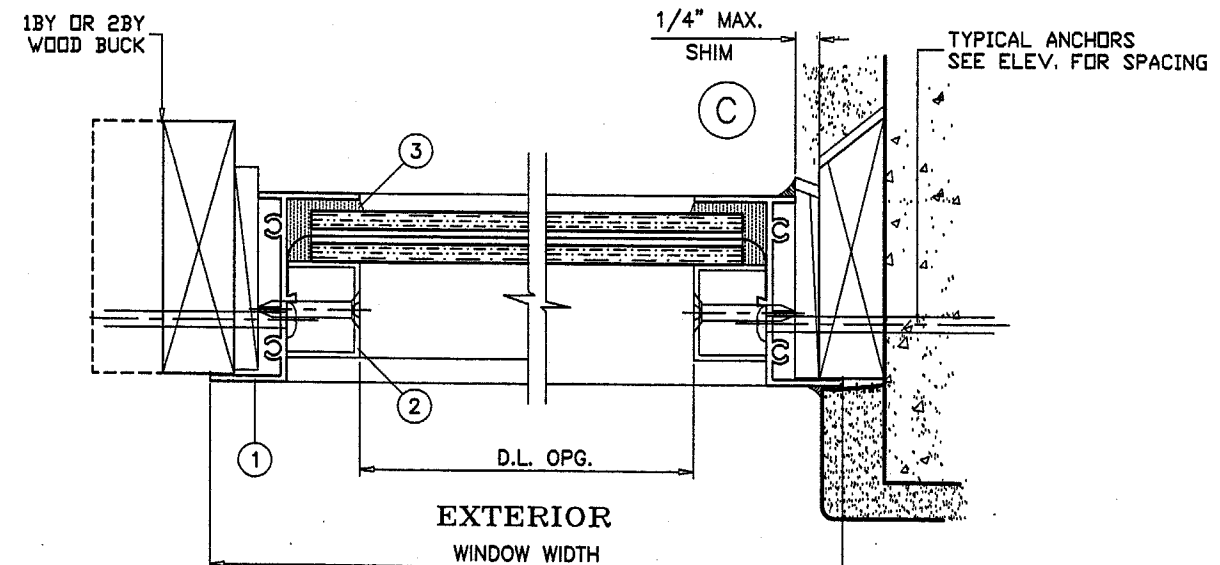
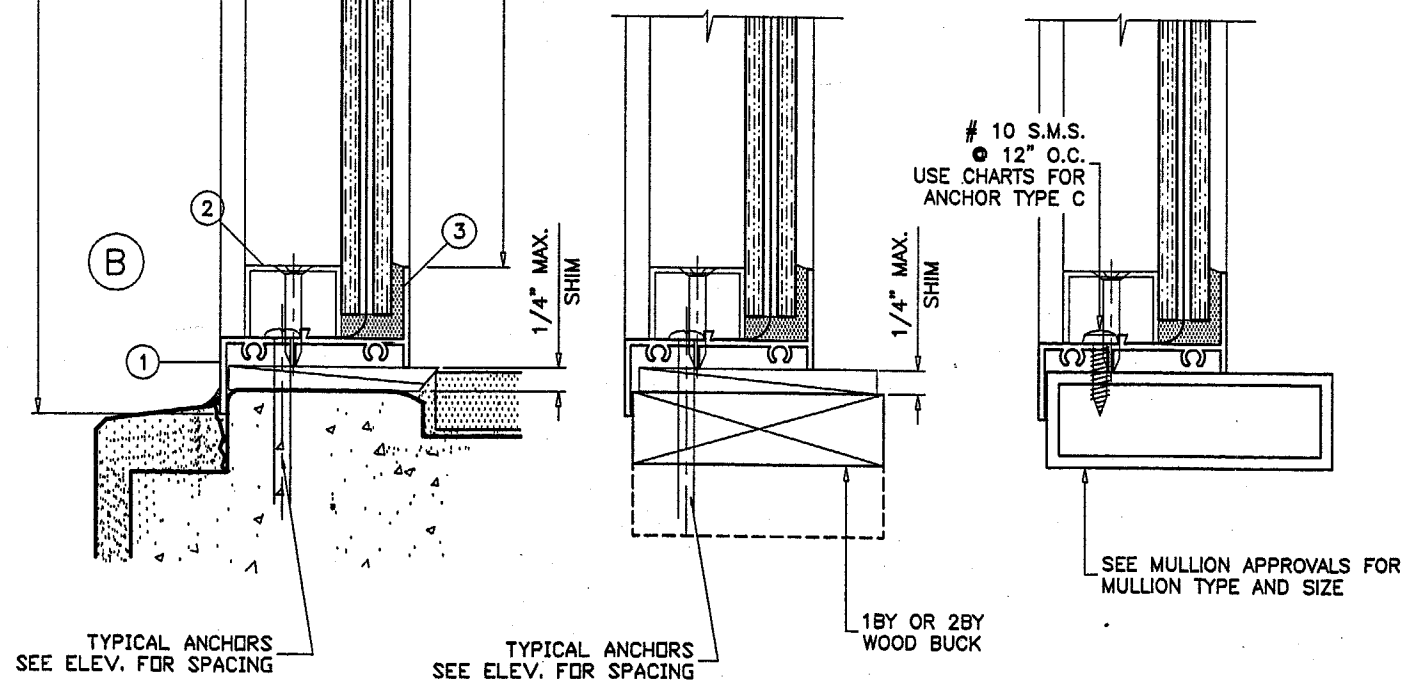
#14 SMS OR 1/4" TEKS SCREWS

INTO METAL STRUCTURE (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

SEALANTS:

FRAME CORNERS AND INSTALLATION SCREWS SEALED WITH GE SILICONE SEALANT.

WINDOW HEIGHT
EXTERIOR



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

OCT 2 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DEC 13 2001
BY *Mamuel*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0162-05

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL WOO-5370

EXTERIOR GLAZED ALUM FIXED WINDOW
YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL. 33010-2480
TEL. (305) 887-2646 FAX (305) 883-1309

revisions:	
no	date by description

date: 12-12-00
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
WOO-53
sheet 6 of 6